

Wisconsin's Longitudinal Data System

Collaborative Council

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Today

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What is a Longitudinal Data System?

A Longitudinal Data System (LDS)

- Integrates and maintains detailed, high-quality student- and staff-level data.
 - Variety of student information from multiple collections
 - Linked using a unique student ID
- Provides a complete picture of student performance over time.
- Protects the privacy of student data with necessary security controls.
- Includes individual reports and tools for reporting and analysis that take advantage of longitudinal data.
- Supports users by providing training and documentation.

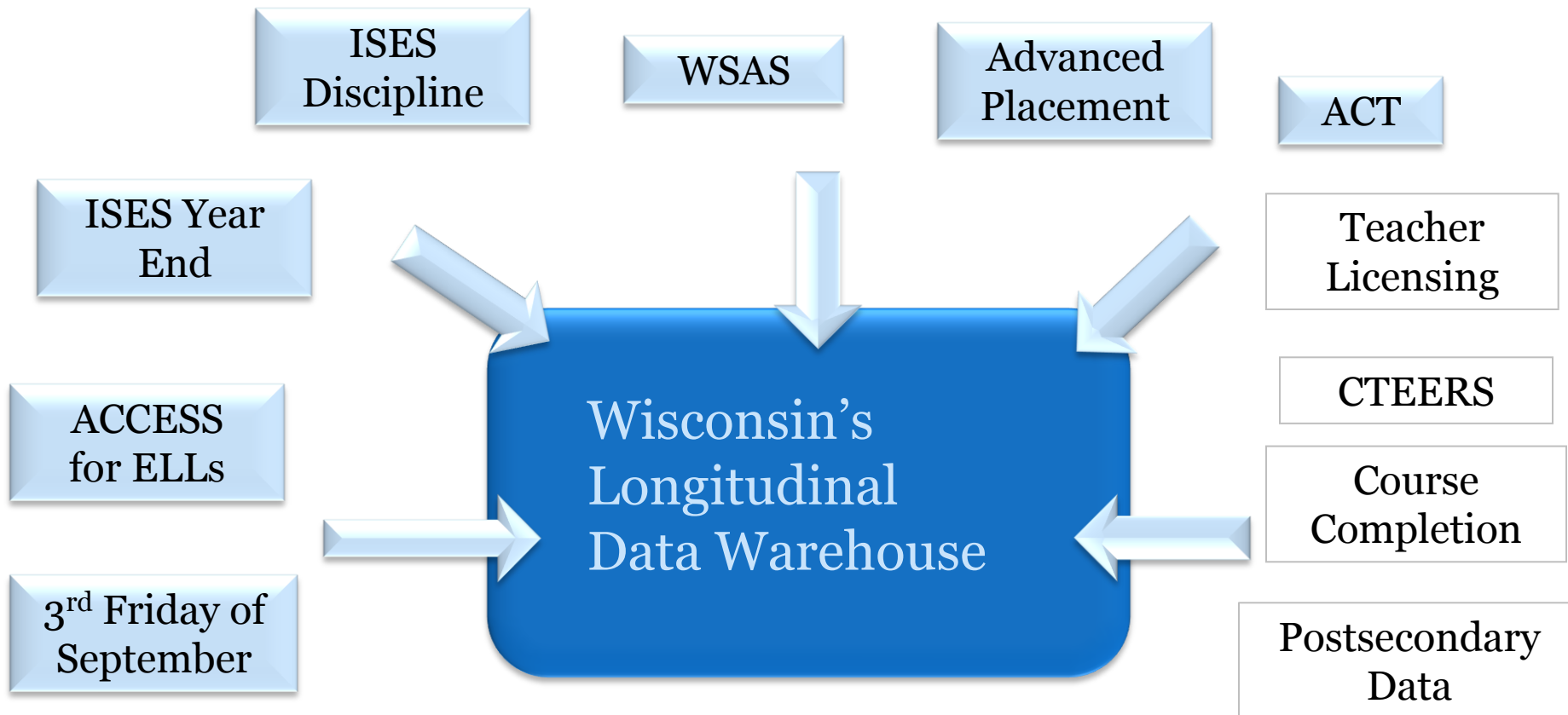
Wisconsin's Current LDS

Wisconsin's LDS

Our LDS is comprised of many components:

- Data Warehouse
 - Secure, student level data
 - Multiple years of data from a variety of sources and collections
- Reporting
 - Reports and Reporting Tools
 - Reporting and analysis on longitudinal data
- Security Applications
- Training & Documentation

Data Warehouse



Reporting

- MDAT: Multi-Dimensional Analytic Tool
 - First secure reporting and analysis tool of the WI LDS
 - Provides authorized users the capability to
 - Create reports comparing student achievement over time utilizing WKCE and other data sources.
 - Select variables & filters to answer questions of their choice.
 - Analyze and/or download student-level information as well as to compare to district and state averages.
- Availability
 - Available to all districts since January 2010.
 - Available to 2r Charter schools since March 2010.
 - Over 140 districts have taken steps to use MDAT.

MDAT Data

- Data Sources
 - WKCE results (WSAS Dataset)
 - Other data from ISES
 - 3rd Friday of September
 - Year End
 - Discipline
 - Available data: 2007-2008, 2008-2009
- Analysis
 - 3 years of data
 - For an individual student, the one-year change in scale scores is the selected year scale score minus the prior year scale score.
 - Shows longitudinal cohort growth from one school year to the following school year.

MDAT Access

- Access specific data and variables based on a user role
- User roles are assigned based on legitimate educational need
- Access is managed through the LDS Access Manager (LDSAM) security application
 - Who can use LDSAM to manage access
 - District Administrator
 - LDS Security Administrator
 - Who has access to certain applications
 - What a user can see/do within an application (roles)

Training & Documentation

- Training
 - MDAT Training Application and Database
 - Available in January 2010
 - Allows for hands-on training with fictitious data.
 - Mediasite presentations available in March of 2010 for the MDAT and LDSAM tools.
- Documentation
 - Overview
 - Step-by-step
 - FAQ
 - Sample Queries

Wisconsin's Longitudinal Data System





Background

Background: SLDS Grant

- Statewide Longitudinal Data Systems Grant Program
 - U.S. Department of Education Institute of Education Sciences
 - Assist state education agencies in developing and implementing longitudinal data systems.
 - Facilitate data-driven decision-making for school and district improvement.
 - Assist educators looking to raise individual student achievement and close achievement gaps
 - Enable research
- SLDS Grant Awards: 2006 & 2009 (current grant)

Background:

Data Quality Campaign (DQC)

- National campaign launched in November 2005
- Support state efforts to improve collection, data availability, reporting, and analysis of education data to raise student achievement
- Provides tools & resources to help states with LDS implementation
- 10 Essential Elements of a longitudinal data system

Background:

America Recovery and Reinvestment Act (ARRA)

- WI accepted State Fiscal Stabilization Funds (SFSF)
- By September 30th, 2011 we must:
 - Develop and implement a statewide longitudinal data system that includes each of the 12 elements described in the America COMPETES Act.
 - Collect the data outlined in the 12 elements and integrate the data into our LDS.
 - Create public reports to make the LDS data widely available.
- The DQC's 10 Essential Elements align with the America COMPETES Act 12 Elements.



LDS Project Goal & Initiatives

LDS Project Goal

- To build a data warehouse, based on Data Quality Campaign standards, which meets federal requirements and drives longitudinal research and analysis to create a richer picture of individual student performance over time, thus enabling educator, school and district improvement.

Overall LDS Initiatives

- Move towards meeting ARRA SFSF requirements for a Statewide Longitudinal Data System as defined by the America COMPETES Act.
- Support agency efforts for Every Child a Graduate.
- Meet the goals and priorities of our current LDS Grant.
- Build and maintain a quality LDS based on standards and best practices from the Data Quality Campaign.

Current LDS Top Initiatives

- Data Updates
 - SDPR: School District Performance Report
 - Adding 2008-2009 data
 - MDAT: Multi-Dimensional Analytic Tool
 - Adding 2009-2010 data
- P20 Data System



P20 Data System

P20 Initiative

- SFSF: Committed to reporting postsecondary outcomes
- Every Child a Graduate: Need to better understand how elementary and secondary education translates into postsecondary readiness, enrollment & persistence.
- 2009 SLDS Grant: Define & Develop a Wisconsin P20 Data System
- DQC: Follow standards defined by the DQC for development of a quality, complete LDS data warehouse. Includes linking to postsecondary.

P20 Projects

- Separate projects to address specific requirements.
 - Integrating postsecondary enrollment and completion data
 - Building the capacity to communicate with the Wisconsin Institutions of Higher Education
 - Integrating remedial coursework information
- LDS Team: 1st Project
 - Goal: To integrate postsecondary enrollment and completion data into the Longitudinal Data System data warehouse for research, analysis and reporting.
 - National Student Clearinghouse

What is National Student Clearinghouse (NSC)?

- Source of postsecondary student enrollment and degree information for degree verification.
- Over 3,300 Colleges & Universities included
 - In-State and out-of-state
 - Public and private
 - Two- and four-year
 - Technical Colleges
 - Training Programs
- Over 92% of U.S. postsecondary students
- Over 70 Wisconsin institutions

Postsecondary Data & the LDS

- DPI submits student-level high school graduation data to the NSC.
- NSC provides postsecondary enrollment and completion data on high-school graduates to DPI who continue on with their education
 - College name, state, type
 - Enrollment begin and end date
 - Graduation date, degree title, major
- Unlimited file exchanges for 1 year to track students through their entire collegiate experience

Postsecondary Data & the LDS

- NSC data will be incorporated into the LDS Data Warehouse
 - Utilize LDS Student Key to link between postsecondary enrollment data and K-12 data existing in the data warehouse today
 - Expand the longitudinal view of a K-12 student through postsecondary

LDS Reporting

- Create useful and informative public and secured reports using a variety of methods to answer a multitude of questions.
 - State Level
 - Initial Enrollment
 - Overall
 - Race/Ethnicity
 - Postsecondary Characteristics
 - All Enrollments vs. Following Fall Enrollment
 - In-State vs. Out-of-State
 - Public vs. Private In-State
 - 2-year vs. 4-year In-State

DPI Reporting

- Postsecondary data will also help other internal teams.
 - WEOP
 - Wisconsin Educational Opportunity Programs
 - Submit cohort of students who participated in programs
 - GEAR UP
 - Track participants after high-school graduation

LEA Data & Reporting

- Each individual high-school can submit – at no cost – a cohort of students to obtain similar postsecondary enrollment data for local analysis.
- NSC will provide
 - Training and support during file exchange process
 - Aggregate reports
 - Student detail reports

Key Dates & Tasks

- Completed: Sole Source & Contract
- June 30, 2010
 - Agency goal for reporting on postsecondary enrollment data.
- September 30, 2011
 - SFSF required reporting date for postsecondary enrollment data.
- In progress
 - Internal Purchasing Process
 - Communication Plan
 - Technical design



LDS Homepage

LDS Homepage

- Coordinate and communicate project efforts
 - Homepage
 - Current Updates
 - New Information
 - MDAT & LDSAM Quick Start Guide
 - MDAT & LDSAM District Access
 - Data Access, Analysis & Reporting Tools
 - Training & Documentation
 - Project Information
 - Initiatives & Projects
 - WI SLDS Grants
- Links
 - <http://www.dpi.wi.gov/lds>
 - From WINSS



Questions?



Thank You!

Email Melissa, Laura or ldshelp@dpi.wi.gov with questions or for more information.